NWT EXPLORATION PREVIEW, 1991

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(Note: exploration is for gold unless otherwise specified)

SLAVE STRUCTURAL PROVINCE

NORTHERN SLAVE PROVINCE

Kennco Explorations (Canada) Ltd. is planning geophysical and geological mapping surveys over the High Lake base-metal deposit (76 M/7).

Continental Pacific Resources Ltd. will map and sample extensive land holdings (about 50,000 ha) in the Anialik and High Lake volcanic belts (76 M/6,7,10,11,12), where both gold and base metals are targeted.

BHP Utah Mines Ltd. will field a 50-person crew on the ULU claims (76 L/15) in the High Lake Belt to resume exploration and diamond drilling on prospects hosted in mafic volcanic rocks.

BHP Utah Mines Ltd. will also resume exploration and diamond drilling on the DEN claims (76 L/15), held under option from Aber Resources Ltd., and will complete smaller projects on about 25 other properties in the Anialik-High Lake belt (76 L/10,14,16; 76 M/2,3,5 7,10) and in the Back River area (76 G/4,6).

The George Lake Joint Venture (Homestake Mining Company Ltd. and Kerr-McGee Corporation) plan to complete 24000 m of diamond drilling on the BRAU claims (76 G/11,13,14). The program will include infill drilling of two BIF-hosted gold deposits and exploration drilling on other prospects. Homestake will manage the project.

The Back River Joint Venture ((Homestake Mining Company Ltd., Kerr-McGee Corporation and the Mac Lab Group) has not yet completed plans for 1991 exploration of properties in the Back River area (76 G/9, 76 G/3), but it is expected that at least one project, possibly with a small drilling component, will be undertaken.

Echo Bay Mines Ltd. will probably explore properties in the Back River area, including all or some of the following claims: PEG, PXD and SNM (76 F/16); SMOKE (76 F/1); BEECH (76 G/1,2); LIN (76 G/12) and UIST (76 G/4).

Cogema Canada Ltd. will probably work on their EDY and LACH claims in the Pistol-Turner Lake area (76 N/5,6) and on recently staked claims in the Huikitak River area (76 J/north).

SOUTHERN SLAVE PROVINCE

Contwoyto-Itchen-Point Lakes Region

(Note: exploration in this region is for Lupin-type gold deposits unless otherwise specified.)

Joint venture partners **Cominco Ltd.**, operator, and **Cogema Canada Ltd.** plan to drill 1000 m to test showings on the COCO claims (76 E/16).

Cominco Ltd. propose spring drilling and 30 line km of HLEM and magnetometer surveys on the PRO (LST) claims (76 E/12) to explore for volcanogenic massive sulphides.

Echo Bay Mines Ltd. will continue exploration of their Lupin Mine property (76 E/11) with 200 line km of HLEM and magnetometer geophysical survey and 5000 m of drilling to test geophysical anomalies. The estimated budget is $700,000. Echo Bay also hopes to explore in the Contwoyto area (76 E).

Joint venture partners **Aber Resources Ltd.** and **Echo Bay Mines Ltd.**, operator, plan exploration of the FIN leases and AU, KAP and MINER claims (76 E/11).

Cogema Canada Ltd., operator, and joint-venture partner **Aber Resources Ltd.** plan to drill 1000 m on the AU 15 claim, Gossan Lake (76 E/10,11).

Aber Resources Ltd. is negotiating with Cogema, Cominco and Echo Bay to open pit near-surface reserves of 100,000 t grading 17 g/t Au at the Butterfly deposit, AUR 24 (76 E/10).

Pamorex Minerals Inc. anticipates exploring the P claim (86 H/6,7) with 20 km of EM and magnetometer surveys, geochemical surveys and possibly drilling.

Lac De Gras area

In the Exeter Lake area **BHP-Utah Mines Ltd.** plans to conduct further exploration on their claims A, B, C, D, E, F, M, T and W (76 D/9,10,11,14,15,16).

Cameron River and Beaulieu River Greenstone Belts

Aber Resources Ltd. and **Hemisphere Development Corp.** anticipate the Sunrise base metal deposit (85 I/16) will be further explored in 1991 by a joint-venture partner.

Yellowknife Turbidite Basin

Treminco Resources Ltd. will continue exploration of their Ptarmigan mine leases (85 J/8) by surface drilling and underground drifting and raising on the C vein. Treminco also plans to conduct property evaluations in the Yellowknife area.

Cameron Mining Ltd. trucked ore from stockpiles on Burnt Island, Gordon Lake, to Treminco's Ptarmigan Mine for custom milling. The stockpiles were mined from the DAF deposit (85 I/14) and from the Burnt Island deposit (GOO and CATHY claims, 85 P/3).

Athabaska Gold Resources Ltd. has been unable to buy out the 40% interest of Chevron Minerals in the Nicholas Lake joint venture project. Athabaska's plan to go underground at the Nicholas Lake deposit (85 P/5) is thus on hold.

Golden Kristy Resources Ltd. plan prospecting, line cutting, EM and magnetometer surveys, soil sampling and geochemical surveys on the RC claims (85 P/4).

Capilano International Inc., formerly Northern Minerals Ltd., plans to explore the PTX claims and VEN leases (85 P/6) with 2000 m of drilling, prospecting, sampling and possibly geophysics.

Capilano also plan prospecting and sampling of showings on the CHICK and RIBB leases (85 I/14).

Yellowknife Greenstone Belt.

Golden Marlin Resources Ltd. and joint-venture partner **CAMECO** drilled 5 holes for 900 m and surveyed with magnetics 10 km on Yellowknife Bay (85 J/8) in February. Drilling was designed to further test ore-grade intersections from 1990 drilling and an adjacent geophysical anomaly. Golden Marlin and joint-venture partner **Rayrock Yellowknife Resources Inc.** conducted 10 km of detailed IP survey and drilled 2 holes (540 m) on the HOPE claims also on Yellowknife Bay (85 J/8). Upon completion Golden Marlin will have earned a 50% interest in the Hope group. These programs cost $250,000.

NERCO-Con Mine Ltd.'s exploration of their mining leases (85 J/8) will include 20,000 m of surface exploration drilling to test the Fault Lake area, the C 16 shears and the intersection of the Campbell shear and the McQueen veins (bedding-parallel shears) 3000-3500 m below Kam Point. Testing of reverse circulation drilling is planned in one 5000-m hole. The M 1, M 2, C 17 and C 4 shears will be explored by mapping and sampling. The Tan Group will be mapped and lithogeochemically sampled. Underground exploration at an estimated cost of $3 million will include geological studies, mapping of isograds and approximately 60,000 m of drilling; 70% definition and 30% exploration.

Giant Yellowknife Mines Ltd. will continue to explore their mining leases (85 J/8) and anticipate up to 6,000 m of underground exploration drilling to test lower parts of the mine beneath the C, B, B3 and B4 areas. Approximately 20,000 m of definition drilling is also anticipated. Giant also plans to explore the Northbelt by mapping, prospecting, geophysical surveys and possibly drilling.

NEBEX Resources Ltd. will continue to drill, trench and sample the volcanic-sediment contact on the TING, WAL, EQUINOX, KELLY, DUCK, TORO and CADEN claims (85 J/9) in the Walsh-Banting Lake area.

CAN-MAC Exploration Ltd. anticipate mining a bulk sample from the MON property (85 J/16) by extending the underground development.

Indin Lake area

NorthWest Gold Corporation and **Neptune Resources** drilled approximately 7000 m in the vicinity of Colomac Mine (86 B/6) early in 1991, but the expected closure of mining operations makes it uncertain whether or not additional work will be done.

BEAR STRUCTURAL PROVINCE

Aber Resources Ltd. plan to map, sample and drill Cu-Co-Au-bearing metasediments on claims recently staked in the De Vries Lake area (86 C/7). Previous sampling of an old trench yielded 3.4% Cu and 0.2% Co across 9 m, with grab samples assaying up to 6.2 ppm gold.

Cominco Ltd. will explore for copper on the CPR claims (86 O/11,12) in the Coppermine region, conduct ground geophysical surveys and geological mapping on the NOR and SP claims at Norris Lake (86 B/5), and conduct reconnaissance on Permits 1244 to 1250 at and near the Bear-Slave boundary (86 F/2, 86 F/8, 86 F/15, 86 G/4).

ARCTIC ISLANDS

Noranda Exploration Co. Ltd., in partnership with **Highwood Resources Ltd.** and **Aber Resources Ltd.** will explore Proterozoic sedimentary rocks in northeastern Victoria Island (78 B and 77 C/north) for copper-cobalt minerals.

Cominco Ltd.will continue to test prospects near the Polaris Mine on Little Cornwallis Island (68 H/east and 58 G)

Nanisivik Mines Ltd. will continue exploration in the area of the Nanisivik Mine (48 C/1) and plan to test permits and claims near Mary River and Eqe Bay in northwestern Baffin Island.

Comaplex Resources International Ltd. hope to explore permits near Dewar Lakes (27 B/west) and Lake Gillian (37 D) in west-central Baffin Island.

SOUTH MACKENZIE

BP Canada Inc. plan to explore their claims near the Horn Plateau (85 K and 85 L).

NEBEX Resources Inc. (formerly Kelmet Resources Ltd.) will continue exploration in the Thubun Lake area (75 E/12).

The prospecting team of **William Kizan and Lloyd Anderson** will continue to work in the Rutledge Lake (75 E/10) and Wholdaia-Selwyn Lake (75 A) areas, where they have nickel-copper-PGE showings.

PNC Exploration (Canada) Ltd. will drill a uranium prospect at Boomerang Lake (75 I).

CORDILLERAN REGION

Rae Gold Corporation plans to explore and evaluate the Selena Creek placer deposit (95 D/15,E/2) by test pitting the gravels. Reconnaissance geological mapping and prospecting may also be completed this summer.

KEEWATIN DISTRICT

Asamera Minerals Inc., in joint venture with **Comaplex Minerals Corp.** plan mapping, lithogeochemical sampling, a 4000 line-km airborne geophysical survey and 4000 m of drilling on the NAT claims and adjacent permits in the Meliadine River area (55 J,K,N & O) northeast of Rankin Inlet. New permits east of Peter Lake (PP 1282-1284; 55 N/2) will be explored.

BHP-Utah Mines Ltd., plan mapping, soil-geochemical and surface IP, EM and magnetic surveys of their claims at Carr Lake (55 L/4) and east of Maguse Lake (55 E/10).

Comaplex Minerals Corp. will carry out prospecting and mapping on the TAV claims in the Copperneedle River area (55 K/4) and on new permits in the Parker Lake-McQuoid Lake area (PP 1272-1275, 1278-1279; 55 M/6 & 7) as well as in the Poorfish Lake-Windy Lake area (PP 1276, 1277, 1280 & 1281; 65 C/8,9).

Dejour Mines Ltd. and **Noble Peak Resources Ltd.** are seeking joint-venture partners to explore and drill on their Turquetil Lake claims (55 E/13 & L/4; 65 H/16 & I/1).

INCO Exploration and Technical Services Inc. may drill several targets on the IGLOO claims in the Whale Cove area (55 K & F) if a joint-venture partner can be found.

Kaminak Resources Ltd. will prospect on a new permit at Machurn Lake, northeast of Peter Lake (PP 1265; 55 N/7).

On behalf of **Lucky Eagle Mines, Agnico Eagle Mines Ltd. and Hecla Mining Company of Canada Ltd.**, W.A. Hubacheck Consultants Ltd. will perform magnetic and UTEM surveys and will drill approximately 3000m in the Meadowbank River area (66 H/1), on claims held by Asamera Minerals Inc. and Comaplex Minerals Corp.

MH Syndicate (a consortium of Dejour Mines Ltd., Noble Peak Resources Ltd. and private investors), are seeking a joint-venture partner to explore the PAD claims, northeast of Heninga Lake (65 H/16 & I/1).

Noble Peak Resources Ltd. are seeking a joint-venture partner to carry out a drilling program on the Mac and Cache prospects at Kaminak Lake (55 L/7).

Pamorex Minerals Inc. plan mapping and boulder-train prospecting on the DON claim near Ennadai Lake (65 C/13).

Sikaman Gold Resources Ltd. is seeking a joint-venture partner for work on their claims at Kaminak Lake (55 L/2,3 & 7) and Maze Lake (55 K/5 & 6).

Suncor Inc. and **Comaplex Minerals Corp.** will carry out mapping, trenching, lithogeochemistry and VLF surveys on permits and claims in the Hawk Hill-Griffin Lake area (65 G/2,7).

Borealis Exploration Ltd., in joint venture with **Kennco Explorations (Canada) Ltd.** and a potential backer, plan mapping, geophysics and drilling on Zn-Pb-Ag-Au showings on claims (46 O/6) and permits (46 O/1 & 2) in the central Melville Peninsula.

Breakwater Resources Ltd. are seeking a joint-venture partner to drill a Zn-Cu-Pb-Ag deposit on claims at the south end of Heninga Lake (65 H/9,16).

Claude Resources Inc. are seeking a joint-venture partner to map and conduct VLF and magnetic surveys of uranium and gold showings at claims near Sandy Beach Lake (65 B/4 & C/1).

Urangesellschaft (Canada) Ltd., in conjunction with **PNC Exploration (Canada) Co. Ltd.** and **Daewoo Corp.** will perform VLF, resistivity and magnetic surveys and drill approximately 7600m on uranium prospects on leases, claims and permits in the Judge Sissons Lake-Schultz Lake South area (66 A/5, B/1,8). Exploration will also be carried out on a new permit to the south (PP 1264; 66 A/4).

RECONNAISSANCE AND PROPERTY EVALUATIONS

Falconbridge Ltd. will do regional exploration and property examinations in the western NWT.

Noranda Exploration Co. Ltd. will conduct reconnaissance in the Keewatin.

Placer Dome Inc. plan reconnaissance work in the District of Keewatin.

Corona Corp., Placer Dome Inc., Rio Algom Ltd., and Inco Ltd. plan to evaluate properties in the NWT in 1991.